

ClearLink[®] MIMO

Multiband Omnidirectional Antenna



General Information

MIMO (multiple input, multiple output) is an antenna designed for wireless communications which use multiple antennas at both the source (transmitter) and the destination (receiver). The antennas at each end of the communications circuit are combined to minimize errors and optimize data speed.

Product Highlights

- MIMO
- Multiband Design

Applications

- Covers Cellular/PCS (US and worldwide)
- LTE, 3G, GSM, DCS, CDMA, iDEN or WiFi repeaters
- RFID, ISM, WISP equipment
- Public Security Wireless systems



MIMO Multiband Omnidirectional Antenna

Ordering information

Part Number	Descriptions
CS03-017-429-4310	CLEARLINK-O/698-2.7K/4.3-10(f)

Electrical Specifications

	Port 1				Port 2			
	698-806	806-960	1710-2300	2300-2700	698-806	806-960	1710-2300	2300-2700
Frequency Range (MHz)	698-806	806-960	1710-2300	2300-2700	698-806	806-960	1710-2300	2300-2700
Polarization	Dual Linear V & H				Dual Linear V & H			
Gain (dBi)	3.5-4.5	3.3-4.7	4.5-5.5	4.5-5.3	3.6-4.6	3.3-4.7	4.3-5.2	4.5-5.5
H Beamwidth	Omni/360 degree				Omni/360 degree			
Port to port isolation	≤18	≤18	≤23	≤22	≤18	≤18	≤23	≤22
VSWR	≤1.7	≤1.4	≤1.5	≤1.3	≤1.7	≤1.4	≤1.5	≤1.3
Maximum Input Power (W)	50							
Impedance (Ω)	50							
Passive IM ³	≤-153dBc/-110dBm (2 x tones with 43dBm/20watts Power)							

Specifications subject to change without notice.

Mechanical Specifications

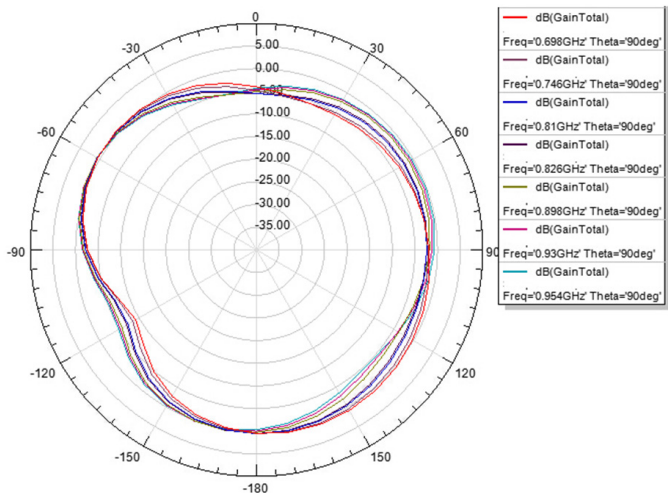
Connector	2 x 4.3-10 (f)
Size (In)	† 8.7 x 1.8
Weight (lb)	1.54
Radome Material	ABS, Porcelain White
Cable	Plenum rated



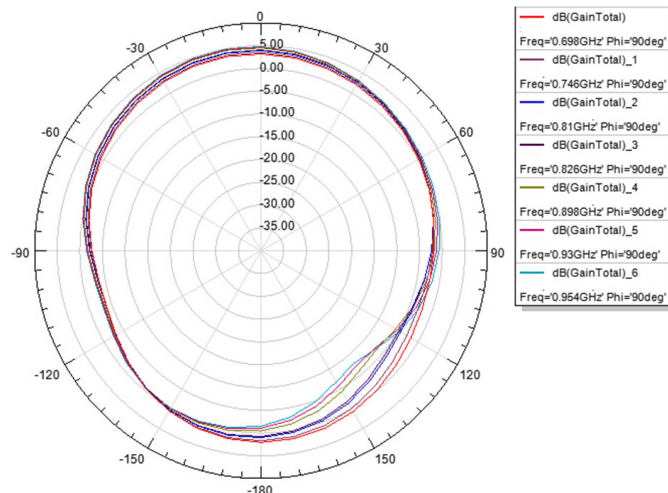


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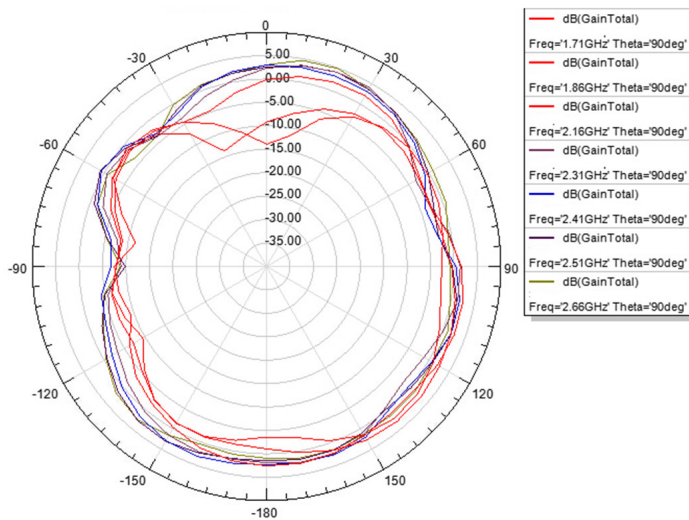
Sample Port 1 Antenna Patterns*



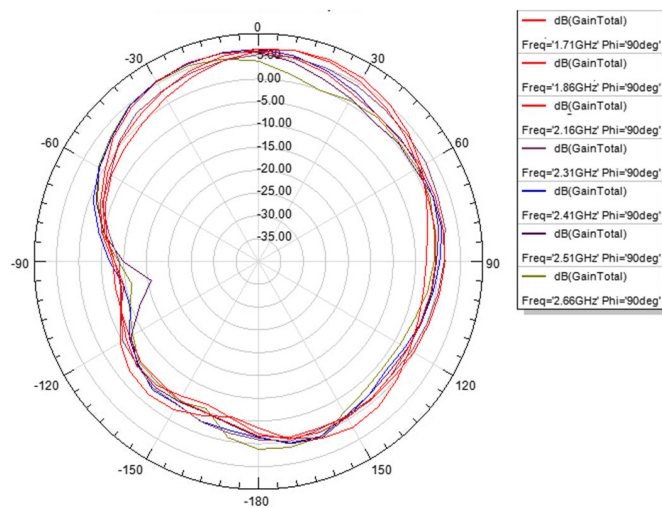
698MHz, 746MHz, 810MHz, 826MHz,
898MHz, 930MHz, 954MHz Horizontal Plane



698MHz, 746MHz, 810MHz, 826MHz,
898MHz, 930MHz, 954MHz Vertical Plane



1710MHz, 1860MHz, 2160MHz,
2310MHz, 2410MHz, 2510MHz,
2660MHz Horizontal Plane



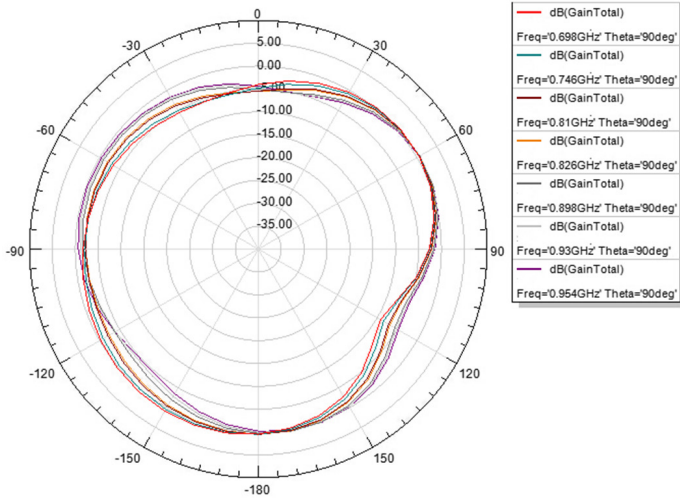
1710MHz, 1860MHz, 2160MHz,
2310MHz, 2410MHz, 2510MHz,
2660MHz Vertical Plane



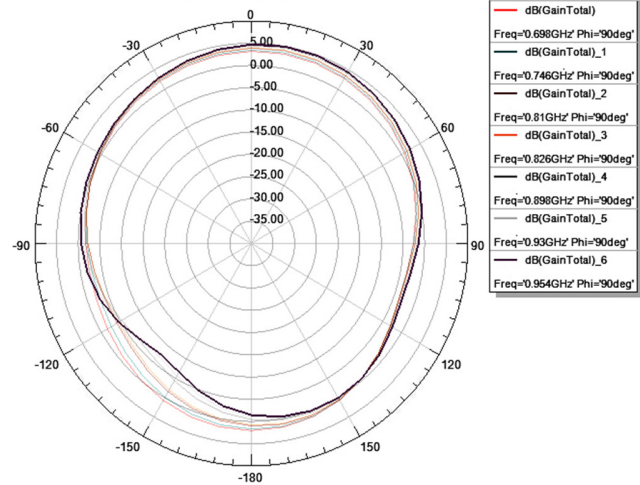


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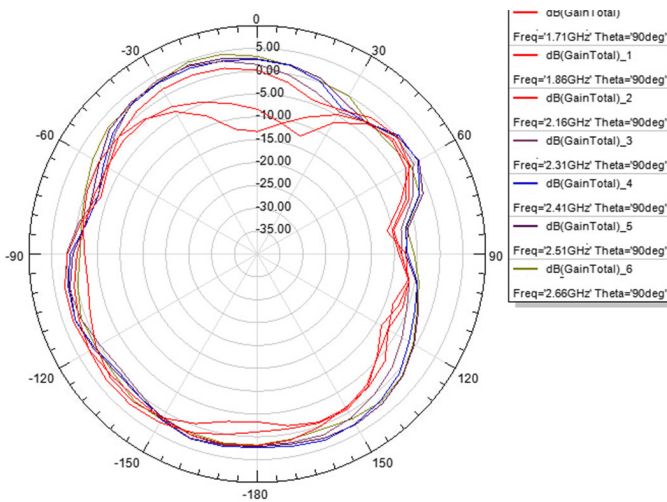
Sample Port 2 Antenna Patterns*



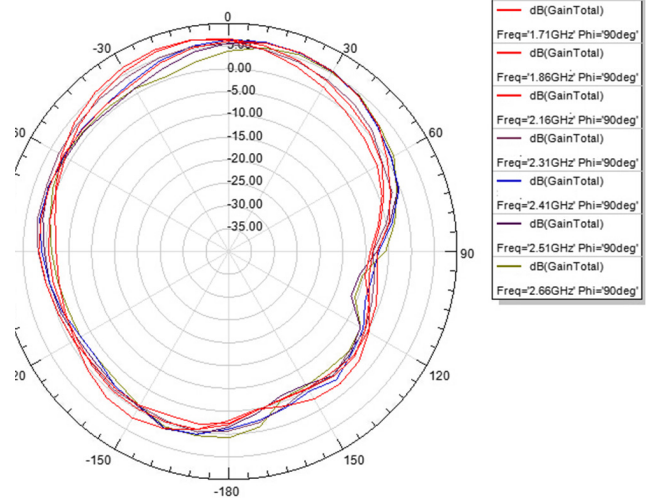
698MHz, 746MHz, 810MHz, 826MHz, 898MHz, 930MHz, 954MHz Horizontal Plane



698MHz, 746MHz, 810MHz, 826MHz, 898MHz, 930MHz, 954MHz Vertical Plane



1710MHz, 1860MHz, 2160MHz, 2310MHz, 2410MHz, 2510MHz, 2660MHz Horizontal Plane



1710MHz, 1860MHz, 2160MHz, 2310MHz, 2410MHz, 2510MHz, 2660MHz Vertical Plane

* Additional patterns with enlarged images are available upon request.

